

AUTHORITY FOR EXPENDITURE

WORK SHEET

AFE NUMBER

☐ KAISER CEMENT & GYPSUM CORP.
 ☒ KAISER GYPSUM CO.
 ☐ PERMANENTE STEAMSHIP CO. ,
☐ PERMANENTE TRUCKING CO.
 ☐ GLACIER SAND & GRAVEL CO.
 ☐ _____

DIV.	SERIAL	YEAR
2	427	73

LOCATION SEATTLE *WASHINGTON*

ISSUE DATE 2/28/73

AUTHORITY FOR ASSET ACQUISITION IS REQUESTED AS FOLLOWS:

ITEM NO.	QUANTITY	DESCRIPTION AND TERMS	ESTIMATED COST AND USE			SPENDING PLAN	
			TOTAL COST	PERIOD OF USE	IN-SERVICE DATE	YR. / MO.	AMOUNT
		Dry Dust Collector for Calcining Kettles	\$ 80,000	15 YRS	6/73	73/6	\$ 80,000
		<i>175-503</i> <i>9504-002-5</i>					
		TOTAL	\$ 80,000			TOTAL	\$ 80,000

JUSTIFICATION FOR ACQUISITION	See Attached <i>See 973 Budget</i>
(REFERENCE BY ITEM NUMBER)	

AMOUNT AND EXPLANATION OF RELATED NON-CAPITAL EXPENSE	
	<i>COPY TO DON 9/27/73</i>

STATEMENT OF GAIN OR LOSS ON RETIRED FACILITIES	Original Cost <i>OF OLD SYSTEM TO BE DETERMINED</i> \$ _____ Estimated Recovery from Sale or Salvage \$ _____ Estimated Demolition and Removal Expense \$ _____ Book Value as of _____ Estimated Gain or (Loss) on Retirement <i>\$703.15 REIMBURSEMENT</i>
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NATURE OF CAPITAL EXPENDITURE	<input type="checkbox"/> REPLACEMENT OF EXISTING FACILITIES <input checked="" type="checkbox"/> NEW CAPITAL INVESTMENT <input checked="" type="checkbox"/> AIR/WATER POLLUTION CONTROL FACILITIES
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AUTHORIZATIONS ACQUISITION APPROVED			ACCOUNTING USE ONLY									
			DEPRECIATION POLICY			METHOD OF FINANCING (FOR CONTROLLER'S USE ONLY)						
			METHOD	BOOK	TAX	<input type="checkbox"/> Lease <input type="checkbox"/> Leasehold Improvement <input type="checkbox"/> Lease/Purchase <input checked="" type="checkbox"/> Purchase	CAPITALIZE		EXPENSE		INV. CR. APPL.	
								YES	NO	YES	NO	YES
ORIGINATOR			DATE									
151 P. J. Franklin			2/26/73									
DIVISION AUTHORITY			DATE									
151 Robert R. Costa			2/28/73									
VICE PRESIDENT & GEN'L. MANAGER			DATE									
151 W. E. OUSTERMAN												
EXEC VICE PRESIDENT												
			R. G. HOHNSBAEN			VICE PRESIDENT						
			APPROVED FOR CONTROLLER'S DIVISION			DATE						

The Seattle Plant calcining mill is equipped with two calcining kettles used for calcination of gypsum. Each of these kettles uses a wet collector and scrubber system to collect, condense and discharge a combination of steam and dust which is exhausted from the kettle vent stacks.

The effluent from the wet scrubbers and collectors is being discharged into the Duwamish River. The plant has been able to operate this system by obtaining a waste discharge permit from the State of Washington. The permits were issued by the former Washington State Water Pollution Control Commission and the last permit issued to Kaiser expired in February, 1972.

An application for renewal of the discharge permit was submitted to the State. This application was reviewed by the Washington State Department of Ecology and the plant was issued a conditional permit to operate the wet collectors and to discharge the effluent into the Duwamish River until December 31, 1973. The Department of Ecology has advised the plant that any effluent discharge will not be permitted after the deadline date. Corrective action must be taken.

It is proposed to eliminate the wet collectors and effluent discharge by installing a dry baghouse system similar to that recently installed at the Long Beach Plant. It is proposed to install one baghouse of sufficient capacity to handle both kettles plus some vents on the bucket elevators and hummer screens. The reclaimed gypsum dust will be collected and recycled back to the calcining kettles.

Upkeep and maintenance on the wet collector systems is a constant problem. Maintenance costs in 1972 amounted to \$4,600. Of this amount, approximately \$1,500 has been expended for materials and \$3,100 for maintenance labor. It is estimated that maintenance costs on the baghouse will not be as high as on the wet collectors and savings in maintenance materials items will be about \$750 per year. It is not expected that any reduction in maintenance personnel will result from this installation.

Gypsum dust currently being exhausted from the kettles is dumped as an effluent into the Duwamish River. Installation of the baghouse will permit this dust to be collected and recycled back into the system which will save \$33,000 annually.